SEP 2 2 2005

D.N. HORN 10-2-3 Multi-Table Based Grant Generator For Improved Granularity In An ATM-PON Matthew J. Hodulik (732-949-9742) Serial # 09/616,408

"Replacement Sheet"

FIG. 1

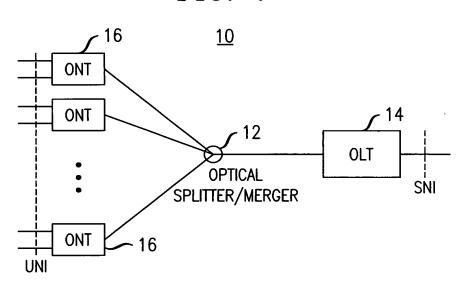
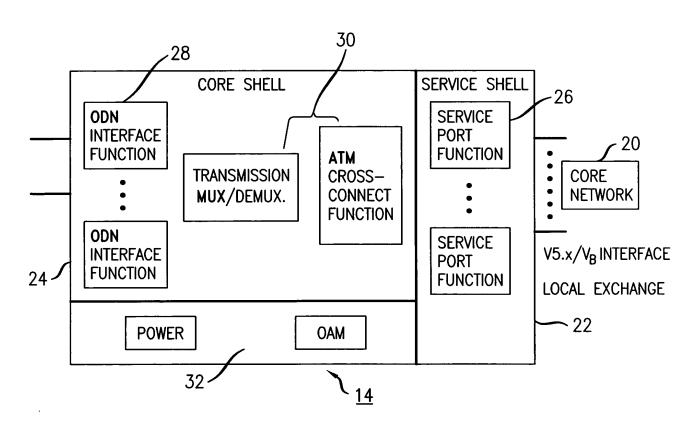
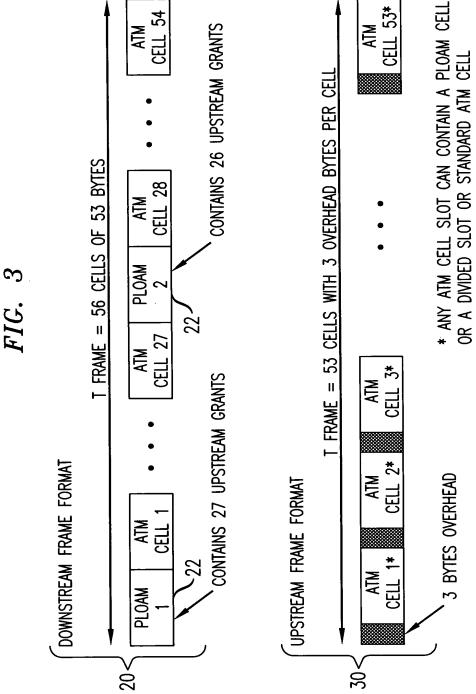


FIG. 2





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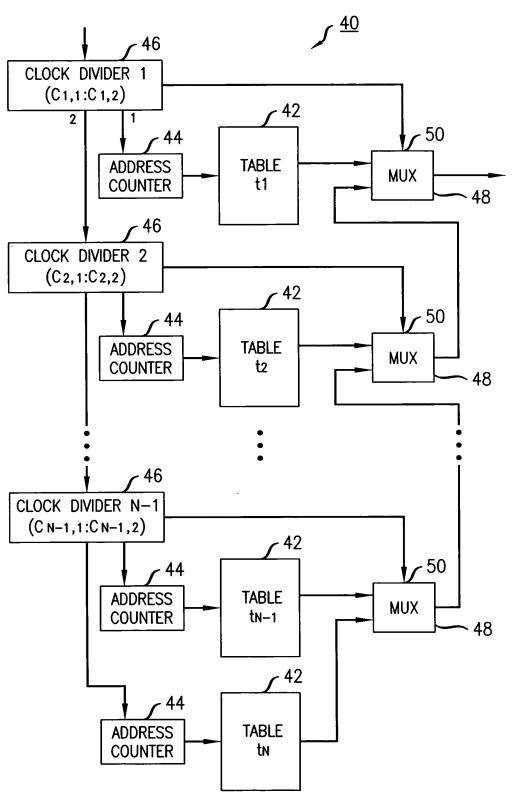
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FIG. 4

RECURSIVE IMPLEMENTATION OF GRANT GENERATOR USING MULTI-TABLES



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FIG. 5A

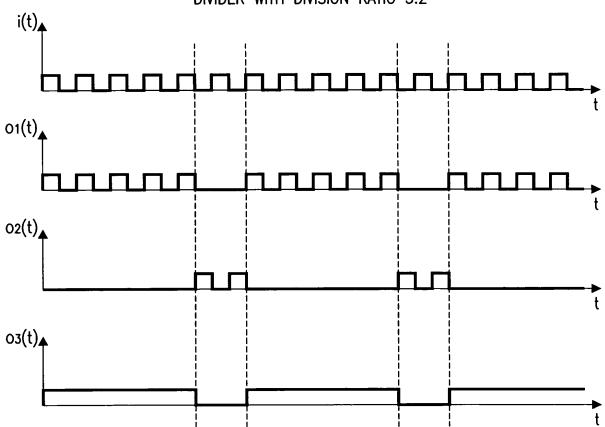
i(t)
(INCOMING CLOCK)

CLOCK DIVIDER
(5:2)

O2(t)

O1(t) 52O3(t)
(TO MUX)

FIG.~~5B example timing diagram for input and output signals of clock divider with division ratio 5:2



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